

PRODUCT DESCRIPTION - PD 206864-9.0EN

Material no. 80707

CHOOZIT™ MT 1 LYO 10 DCU

CHOOZIT™ Cheese Cultures

Description

Freeze-dried concentrated lactic starter for the direct vat inoculation of milk and milk bases.

Usage levels

Product	Dose
Feta with cow milk	2 - 4 DCU / 100 l of vat milk
Feta with sheep milk	1 - 2 DCU / 100 l of vat milk

Temperature: 32 °C

The quantities of inoculation indicated should be considered as guidelines. Supplement cultures may be required depending on technology, fat content and product properties desired.

We do not accept any liability in case of undue application.

Directions for use

Store at temperature < 4 °C in dry atmosphere. When stored at negative temperature, keep the sachet at room temperature for 30 to 60 minutes before opening. If not, the performance of the culture is affected. Prolonged exposure at room temperature will reduce performances. Check before use that the culture is in powder form. Add directly to the manufacturing milk as soon as the agitation blades of the vat are covered with milk. Avoid foam and air introduction in the milk.

Important recommendations:

If the product has formed a solid mass, it should be discarded. To keep bacteriophage contamination under control, ensure plant and equipments are cleaned and disinfected with appropriate products at regular intervals to limit bacteriophage concentration level. Avoid any system that brings back part of end products to the beginning of the processing line in order to limit phage propagation.

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Composition

Lactococcus lactis subsp. lactis
Lactococcus lactis subsp. cremoris
Streptococcus thermophilus
Lactobacillus delbrueckii subsp. bulgaricus

Properties

- Mix mesophilic / thermophilic starter, particularly adapted for feta cheese productions.
- Equal balance of strains,
- Direct vat inoculation.
- sachet of 10 DCU for 1000 litres.

Physical/chemical specifications

Quantitative/Activity standard

Test medium:

Sterilised reconstituted milk (10% solids)
Heated 45 min at 97 °C (+/- 2 °C)

Temperature:	32°C
Inoculation rate:	5 DCU / 100 l
Delta pH:	>= 0.9
Time to reach the delta pH:	6 hours

Microbiological specifications

Microbiological quality control - standard values and methods

Non-lactic acid bacteria	< 500 CFU/g
Enterobacteriaceae	< 10 CFU/g
Yeasts and Moulds	< 10 CFU/g
Enterococci	< 100 CFU/g
Clostridia Spores	< 10 CFU/g
Coagulase-positive staphylococci	< 10 CFU/g
Salmonella spp.	neg. / 25 g
Listeria monocytogenes	neg. / 25 g

Analytical methods available upon request

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Storage

18 months from date of production at $\leq -18\text{ }^{\circ}\text{C}$
6 months from shipment date at $+4\text{ }^{\circ}\text{C}$

Packaging

The cultures are packaged in sachets made in three layers of material (polyethylene, aluminium, polyester).

The following information is printed on each sachet: Product name, dosage, batch no and shelf life at $-18\text{ }^{\circ}\text{C}$.

Quantity

Shipment cartons each containing 100 sachets

Purity and legal status

CHOOZIT™ MT 1 LYO 10 DCU complies with all EU food legislations.

Other local regulations should always be consulted concerning the status of this product, as legislation regarding its use in food may vary from country to country.

Safety and handling

SDS is available on request.

Kosher status

KOSHER O-U-D

Halal status

certified by Halal Food Council of Europe (HFCE)

Allergens

Below table indicates the presence of the following allergens and products thereof:

Yes	No	Allergens	Description of components
	X	wheat	
	X	other cereals containing gluten	
	X	crustacean shellfish	
	X	eggs	
	X	fish	
	X	peanuts	
	X	soybeans	
X		milk (including lactose)	
	X	nuts	
	X	celery	
	X	mustard	
	X	sesame seeds	
	X	sulphur dioxide and sulphites ($> 10\text{ mg/kg}$)	
	X	lupin	
	X	molluscs	

Local regulation has always to be consulted as allergen labelling requirements may vary from country to country.

Additional information

ISO 9001 certified
FSSC 22000 certified

GMO status

CHOOZIT™ MT 1 LYO 10 DCU does not consist of, nor contains, nor is produced from genetically modified organisms according to the definitions of Regulation (EC) 1829/2003 and Regulation (EC) 1830/2003 of the European Parliament and of the Council of 22 September 2003.